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**PROGRAM OF THE 14<sup>th</sup> BIENNIAL SCIENTIFIC MEETING OF THE  
INTERNATIONAL SOCIETY FOR COMPARATIVE PSYCHOLOGY**

October 9 to 11, 2008  
Sociedad Científica Argentina  
Av. Santa Fe 1145  
Buenos Aires, Argentina

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**THURSDAY, OCTOBER 9**

(Registration 8:00 to 16:00 h)

Oral presentations in the **Ameghino Auditorium**. Poster sessions in the **Moreno Room**.

(Presenters in **bold**)

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***WELCOME AND OPENING***

- 8:30-8:50 **RUBÉN N. MUZIO** (U of Buenos Aires & IBYME-CONICET, Argentina), **Program Chair**  
**LINO BARAÑAO** (Minister of Science & Technology of Argentina)  
**SARA SLAPAK** (Dean, Faculty of Psychology, U of Buenos Aires)

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***INVITED CONFERENCE # 1***

- 9:00-10:00 **“Landmark learning: Sex differences in the Morris pool”**  
**VICTORIA CHAMIZO** (U of Barcelona, Spain)  
Chair: Mauricio R. Papini (Texas Christian U, USA)

- 10:00-10:15 ☺☺☺ **Coffee Break**

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***SYMPOSIUM # 1***

- 10:15-11:55 **“COMPARATIVE NEUROSCIENCE OF EMOTION”**  
Chair: **MAURICIO R. PAPINI** (Texas Christian U, USA)
- 10:15-10:35 **Injury, memory, and pain: evolutionary connections suggested by snail and rat neurobiology.**  
**EDGAR T. WALTERS** (U of Texas Medical School at Houston, USA)
- 10:35-10:55 **Incentive relativity and the specificity of reward expectations in honeybees.**  
**DANIEL A. WIEGMANN** (Bowling Green State U, USA)
- 10:55-11:15 **Opioids and fear: Multiple roles for multiple receptors.**  
**GAVAN P. McNALLY** (U of New South Wales, Australia)

11:15-11:35 **Emotion and cognition in incentive contrast.**  
**MAURICIO R. PAPINI** (Texas Christian U, USA)

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**ORAL PRESENTATIONS # 1**

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11:45-13:00 **“SOCIAL LEARNING AND BEHAVIOR”**  
Chair: Lorena Pompilio (U of Buenos Aires & CONICET, Argentina)

11:45-12:00 **Alliance formation in bottlenose dolphins (*Tursiops truncatus*) during social interactions with marine tucuxi dolphins (*Sotalia guianensis*) in Costa Rica.**  
**RACHEL KRISTIANSSEN** (U of Southern Mississippi, USA) & **PAUL FORESTELL** (Long Island U, USA)

12:00-12:15 **Effects of an increase in group size on social behavior in a group of rough-tooth dolphins (*Steno bredanensis*).**  
**LAUREN E. MILLER**, **KELLY A. CAFFERY**, & **STAN A. KUCZAJ** (U of Southern Mississippi, USA).

12:15-12:30 **Conespecific and heterospecific social learning in shiny and screaming cowbirds.**  
**JUAN C. REBOREDA** & **DOLORES MAY** (U of Buenos Aires & CONICET, Argentina)

12:30-12:45 **Sexual selection in mantis (*Parastagmatoptera tessellata*): in the search of decision-making mechanisms underlying male mate choice.**  
**LORENA POMPILIO**, **ESTEBAN AVIGLIANO** & **FABIÁN GABELLI** (U of Buenos Aires & CONICET, Argentina)

12:45-13:00 **The relevance of human’s visual attention to a dog’s communicative performance.**  
**C. SAVALLI** & **C. ADES** (U of São Paulo, Brazil)

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**POSTER SESSION # 1 \***

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11:00-14:00 Authors must be at the poster from 13:00 to 14:00 h  
\* **See below for titles and presenters**

13:00-14:00  **Lunch**

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**INVITED CONFERENCE # 2**

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14:00-15:00 **“Timing and choice”**  
**JOHN STADDON** (Duke U, USA)  
Chair: Silvano Zanutto (U of Buenos Aires, Argentina)

15:00-15:15  **Coffee Break**

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**SYMPOSIUM # 2**

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15:15-16:55 **“CAUSAL LEARNING IN HUMANS AND NONHUMANS ANIMALS”**  
Chair: **JUAN M. ROSAS** (U of Jaen, Spain)

- 15:15-15:35 **The special status of actions in causal reasoning in rats.**  
AARON BLAISDELL (U of California-Los Angeles, USA)
- 15:35-15:55 **Reasoning about hidden events in rats.**  
MICHAEL WALDMANN (U of Göttingen, Germany)
- 15:55-16:15 **Spontaneous recovery in causal learning.**  
JAVIER VILA (National Autonomous U of México, México)
- 16:15-16:35 **Causal learning without causal judgments.**  
FRANCISCO J. LÓPEZ (U of Málaga, Spain)
- 16:35-16:55 **A comparative perspective of context-switch effects in human causal learning and animal conditioning.**  
JUAN M. ROSAS (U of Jaén, Spain)

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**ORAL PRESENTATIONS # 2**

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- 17:00-18:15 **“ANIMAL LEARNING AND COGNITION: I”**  
Chair : Shogo Sakata (Hiroshima U, Japan)
- 17:00-17:15 **Inference by exclusion in corvids.**  
CHRISTIAN SCHLOEGL, KURT KOTRSCHAL & THOMAS BUGNYAR  
(Konrad Lorenz Research Station & U of Vienna, Austria)
- 17:15-17:30 **Backward blocking in first-order conditioning with rats.**  
KOUJI URUSHIHARA (Health Sciences U of Hokkaido, Japan) & RALPH R. MILLER (Binghamton U, USA)
- 17:30-17:45 **The role of CS-context and context-US associations in extinction.**  
MARIO A. LABORDA, JAMES E. WITNAUER, & RALPH R. MILLER  
(Binghamton U, USA)
- 17:45-18:00 **Temporal behavioral pattern correlates with hippocampal theta rhythms in rats.**  
SHOGO SAKATA, TAKAYUKI HASEGAWA, & MINORU HATTORI  
(Hiroshima U, Japan)
- 18:00-18:15 **In categorizing stimuli, where pigeons focus their attention matters.**  
FRANCISCO J. DONIS (Central Connecticut State U, USA)

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18:15-19:00 🍷🍴 **Reception welcome (Hall)**

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19:00 😊👋 **End of Thursday Program**

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# FRIDAY, OCTOBER 10

(Registration 8:00 to 12:00 h)

## KEYNOTE SPEAKER

- 9:00-10:00 **“Risk, resilience, and gene X environment interactions in rhesus monkeys and other primates”**  
**STEPHEN SUOMI** (National Institutes of Health, USA)  
Chair: Robert M. Murphey (U of California-Davis, USA)

- 10:00-10:15 ☺☕ **Coffee Break**

## SYMPOSIUM # 3

- 10:15-11:55 **“LEARNING AND EVOLUTION OF THE VERTEBRATE BRAIN”**  
Chair: **RUBÉN N. MUZIO** (U of Buenos Aires & IBYME-CONICET, Argentina)
- 10:15-10:35 **Neural mechanisms of learning and memory in teleost fish.**  
COSME SALAS, FERNANDO RODRÍGUEZ & **CRISTINA BROGLIO** (U of Seville, Spain)
- 10:35-10:55 **Neural basis of instrumental learning in amphibians.**  
**RUBÉN N. MUZIO** (U of Buenos Aires & IBYME-CONICET, Argentina)
- 10:55-11:15 **Nonoccurrence of instrumental learning under widely-spaced-trial condition in newts.**  
**MASATO ISHIDA** (Osaka U of Education, Japan) & **MASAHIRO SHIBASAKI** (Nagoya U, Japan)
- 11:15-11:35 **Acetylcholine mediates selective attention in turtles.**  
**ALICE POWERS** (St. John’s U, USA)
- 11:35-11:55 **Ultimate and proximate aspects of cerebellar plasticity in birds.**  
**LAINY DAY**, RORY SPENCE & BARNEY A. SCHLINGER (U of Mississippi, & U of California, USA)

## ORAL PRESENTATIONS # 3

- 12:00-13:00 **“PRIMATE LEARNING AND COGNITION – HISTORY OF COMPARATIVE PSYCHOLOGY”**  
Chair: Gary Greenberg (Wichita State U, USA)
- 12:00-12:15 **Application of the analogical rule in nonhuman primates.**  
**TIMOTHY M. FLEMMING** & MICHAEL J. BERAN (Georgia State U, USA)
- 12:15-12:30 **Characteristics perceived on the Thematic Apperception Test as function of facial hair of characters and sex of respondent.**  
**A. A. L. De SOUZA** & E. OTTA (U of São Paulo, Brazil)

12:30-12:45 **Don't tell me, show me: Using priming measures in human associative learning.**  
**JOAQUÍN MORÍS**, DAVID LUQUE, PEDRO L. COBOS, & FRANCISCO J. LÓPEZ (U of Málaga, Spain)

12:45-13:00 **Why psychology is not a biological science: Gilbert Gottlieb and probabilistic epigenesis.**  
**GARY GREENBERG** (Wichita State U, USA)

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**POSTER SESSION # 2 \***

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11:00-14:00 Authors must be at the poster from 13:00 to 14:00 h  
**\* See below for titles and presenters**

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13:00-14:00  **Lunch + Operation Committee Meeting (I)**

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**INVITED CONFERENCE # 3**

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14:00-15:00 **"Timing, no choice"**  
**ALEX KACELNIK** (Oxford U, UK)  
Chair: Juan C. Reboreda (U of Buenos Aires & CONICET, Argentina)

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15:00-15:15  **Coffee Break**

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**SYMPOSIUM # 4**

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15:15-16:55 **"PERINATAL LEARNING IN HUMANS AND ANIMALS"**  
Chair: **M. GABRIELA CHOTRO** (U of País Vasco, Spain)

15:15-15:35 **Impact of the early olfactory environment on the well being and health of preterm newborns.**  
**LUC MARLIER** (CNRS, Centre d'Études de Physiologie Appliquée, France)

15:35-15:55 **Fetal and neonatal flavor programming in humans.**  
**JULIE MENNELLA** (Monell Chemical Senses Center, USA)

15:55-16:15 **Emergence and persistence of fetal and infantile alcohol-related memories.**  
**JUAN CARLOS MOLINA** (Binghamton U, USA, & Instituto Ferreyra, Argentina)

16:15-16:35 **Prenatal and postnatal experiences with ethanol affecting the response to ethanol's flavor in rat pups.**  
**M. GABRIELA CHOTRO**, CARLOS ARIAS & ELENA DÍAZ-CENZANO (U of País Vasco, Spain)

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**POSTER SESSION # 3 \***

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18:00  **End of Friday Program**

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21:00  **ISCP Dinner**

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## SATURDAY, OCTOBER 11

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### **INVITED CONFERENCE # 4**

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9:00-10:00 **“Temporal maps and associative learning”**  
**PETER BALSAM** (Columbia U, USA)  
Chair: Aaron Blaisdell (U of California-Los Angeles, USA)

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10:00-10:10 ☺ **Coffee Break**

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### **SYMPOSIUM # 5**

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10:10-12:55 **“LEARNING THEORY: THE NEW GENERATION”**  
Chair: **ANDRES M. PEREZ-ACOSTA** (Rosario U, Colombia)

10:10-10:30 **Extinction and absent stimulus processing.**  
**SANTIAGO PELLEGRINI** (IDIM-CONICET, Argentina)

10:30-10:50 **US processing.**  
**EDGAR VOGEL** (U of Talca, Chile)

10:50-11:10 **Continual reconditioning reveals the dynamics of conditioning and extinction: Newton, Pavlov, and Skinner shake hands.**  
**FEDERICO SANABRIA & PETER KILLEEN** (Arizona State U, USA)

11:10-11:30 **Control of feeding behavior.**  
**SILVANO ZANUTTO** (U of Buenos Aires, Argentina)

11:30-11:50 **Computer simulations with the replaced elements model of Pavlovian conditioning.**  
**ANDRES M. PEREZ-ACOSTA** (Rosario U, Colombia)

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### **ORAL PRESENTATIONS # 4**

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12:00-12:45 **“ANIMAL LEARNING AND COGNITION: II”**  
Chair: Gabriela Chotro (U of País Vasco, Spain)

12:00-12:15 **Aversive stimulation and early exposure to shortage and abundance of food on risk sensitivity.**  
**ARTURO CLAVIJO A. & GERMÁN GUTIÉRREZ** (National U of Colombia, Colombia)

12:15-12:30 **The adaptiveness of context-dependent valuation.**  
**ESTEBAN FREIDIN** (CERZOS-CONICET, Argentina) & **ALEX KACELNIK** (Oxford U, United Kingdom)

12:30-12:45 **Partial reinforcement in extinction and its effect on the reacquisition of the conditioned response to ethanol in rats.**  
**RONALD BETANCOURT & MARGARITA BÓRQUEZ** (U of Chile, Chile)

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**POSTER SESSION # 4 \***

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11:00-14:00 Authors must be at the poster from 13:00 to 14:00 h  
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13:00-14:00 🍽️ **Lunch + Operation Committee Meeting (II)**

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**SYMPOSIUM # 6**

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14:00-15:40 **“PRIMATE COGNITION AND BEHAVIOR”**  
**Chair: MICHAEL J. BERAN** (Georgia State U, USA)

14:00-14:20 **Primate mathematics: Enumeration, estimation, and calculation.**  
**MICHAEL J. BERAN** (Georgia State U, USA)

14:20-14:40 **Separating the chaff from the wheat: Causal knowledge in great apes’ tool-use.**  
**JOSEP CALL** (Max Planck Institute for Evolutionary Anthropology, Germany)

14:40-15:00 **Analogical apes and paleological monkeys revisited: Does the “Profound Disparity” still stand?**  
**ROGER K. R. THOMPSON** (Franklin & Marshall College, USA) & **TIMOTHY M. FLEMMING** (Georgia State U, USA)

15:00-15:20 **Nonhuman primate memory systems.**  
**ROBERT HAMPTON** (Emory U, USA)

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15:20-15:35 ☺️ **Coffee Break**

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**PRESIDENTIAL ADDRESS**

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15:45-16:45 **“Limits of Natural Selection”**  
**ROBERT M. MURPHEY** (U of California-Davis, USA)  
Chair: Rubén N. Muzio (U of Buenos Aires & IBYME-CONICET, Argentina)

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17:00-18:00 **ISCP GENERAL BUSINESS MEETING AND ELECTION OF OFFICERS**

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18:00 ☺️ **End of Saturday Program**

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## **POSTER SESSION # 1**

**1. Social structure of Humpbacks whales (*Megaptera novaengliae*) from the strait of Magellan.**

**J. Abramson-Zamorano**, J. Capella, M. V. Hernández-Lloreda, J. Gibbons, & F. Colmenares (U Complutense of Madrid, Spain, & U of Magallanes, Chile)

**2. Effects of social isolation on social play behavior following interaction with an ethanol-intoxicated peer.**

**María B. Acevedo**, **María C. Fabio** & Juan C. Godoy (U of Córdoba, Argentina)

**3. Task-related activity of primate prefrontal neurons during pair-association performances.**

**Jorge M. Andreau** & Shintaro Funahashi (Kyoto U, Japan)

**4. Successive negative contrast in European starlings (*Sturnus vulgaris*)**

**Marina I. Cuello**, Esteban Freidin, & Alex Kacelnik (Oxford U, United Kingdom)

**5. Prenatal ethanol exposure on gestational days 17-18 or 19-20 in rats: Changes in postnatal acceptance of ethanol.**

**Elena Díaz-Cenzano** & M. Gabriela Chotro (U of País Vasco, Spain)

**6. Maternal influence on the development of behavior in the subterranean rodent *Ctenomys talarum* (Rodentia: Ctenomyidae).**

**Alejandra I. Echeverría** & Aldo I. Vassallo (U of Mar del Plata & CONICET, Argentina)

**7. Effects of learning and the owners on a communicative task in domestic dogs (*Canis familiaris*).**

**Angel M. Elgier**, Adriana Jakovcevic, Gabriela Barrera & Mariana Bentosela (IDIM-CONICET, Argentina)

**8. Human theta rhythm modulation by syntactic information in a lexical decision task.**

**M. E. Fernández-Feijóo**, V. Jaichenco, S. B. Zanutto, & A. J. Wainselboim (IBYME-CONICET & U of Buenos Aires, Argentina)

**9. Odor discrimination and latent inhibition in honeybees**

**Vanesa M. Fernández**, Andrés Arenas & Walter M. Farina (IFIBYNE-CONICET & U of Buenos Aires, Argentina)

**10. Performance differences according to the concentration of saline solution used as reinforcer in the common toad (*Bufo arenarum*).**

**Mariana G. Iurman** & Rubén N. Muzio (IBYME-CONICET & U of Buenos Aires, Argentina)

**11. Conditioning of a cardiac response in the crab *Chasmagnathus*: Learning and memory.**

**Ana Burnovicz** & Gabriela Hermitte (U of Buenos Aires, Argentina)

**12. Group structure and dominance hierarchies in a colony of baboons (*Papio spp.*): a social network analysis.**

**M. V. Hernández-Lloreda**, J. Abramson-Zamorano, & F. Colmenares (U Complutense of Madrid, Spain)

**13. Breed differences in an extinction task in domestic dogs (*Canis familiaris*).**

**Adriana Jakovcevic**, Angel M. Elgier, Gabriela Barrera, & Mariana Bentosela (IDIM-CONICET, Argentina)

**14. Assessing the relationship between incentive downshift and place preference in rats.**

**Giselle V. Kamenetzky**, Lucas Cuenya, Valeria Pedrón, Alba E. Mustaca, & Mauricio R. Papini (IDIM-CONICET, Argentina, & Texas Christian U, USA)

**15. Flavor preferences after recovery from negative contrast.**

**Florencia Lopez-Seal**, Santiago Pellegrini, & Alba E. Mustaca (IDIM-CONICET, Argentina)

**16. Dynamic average of the experiences in the spontaneous recovery in human beings.**

Luis J. López-Romero, Angélica Alvarado-García, & **Javier Vila** (National Autonomous U of México, México)

**17. Visual interaction effect in the prisoner's dilemma in rats.**

**Víctor O. Gamboa-Ruiz** & Álvaro A. Clavijo-Álvarez (National U of Colombia, Colombia)

**POSTER SESSION # 2**

**18. The cardiac response in the crab *Chasmagnathus* as a bioassay of sensory perception.**

**Ana Burnovicz**, Damián Oliva, & Gabriela Hermitte (U of Buenos Aires, Argentina)

**19. Learning of equivalence relations: A neuronal network model.**

**Sergio E. Lew** & B. Silvano Zanutto (IIBM-U of Buenos Aires & IBYME-CONICET, Argentina)

**20. Maternal care and early inflammation contributions to postnatal programming of anxiety-related behavior.**

**Luciana Lucchina** & Amaicha Depino (Fundación Instituto Leloir-CONICET & U of Buenos Aires, Argentina)

**21. Short-term effects of predator stress on the spatial working and reference memory in the Tala's Tuco-Tuco (*Ctenomys talarum*).**

**Matías E. Mastrángelo**, Cristian E. Schleich, Roxana R. Zenutto (U of Mar del Plata, Argentina)

**22. Interactions between pre- and postnatal ethanol experiences: Participation of Endogenous Opioid System upon newborn and infantile responsiveness to ethanol.**

**R. S. Miranda-Morales**, J. C. Molina & P. Abate (Instituto de Investigación Médica Ferreyra, Argentina)

**23. Magnitude of sexual reinforcement in Japanese quail: Time access and frequency of cloacal contacts.**

Bibiana Montoya, **Jonathan Buriticá**, Miguel Puentes, & Alejandro Baquero (National U of Colombia, Colombia)

**24. Photoperiodic modulation of reproductive physiology and behavior in the cichlid fish *Cichlasoma dimerus*.**

**Ana Fiszbein**, Graciela Rey-Vázquez, Maximiliano Cánepa, Cristina Maggese, & Matías Pandolfi (U of Buenos Aires, Argentina)

25. **Alcohol intake substitution for social interaction in rats at a free choice paradigm.**  
**Felipe Parrado-Corredor** & Arturo Clavijo-Álvarez (Cooperative U of Colombia & National U of Colombia, Colombia)
26. **Effect of early immune challenge on locomotion and exploratory behavior in adolescent rats.**  
**J. L. R. Rico**, D. B. Ferraz, F. J. Ramalho-Pinto, & Silvio Morato (U of São Paulo, Brazil)
27. **Perceptual learning in humans: Roles of preexposure schedule and feedback.**  
**Gabriel Rodríguez**, Sebastián Lombas, Rocío Angulo, M. C. Sanjuán, Byron J. Nelson, Joxan Iraola, Naiara Arriola, Elena Díaz-Cenzano, Gabriela Chotro, & Gumersinda Alonso (U of Basque Country, Spain)
28. **Context dependency of simple acquisition in human predictive learning**  
**Samuel P. León**, José E. Callejas-Aguilera, María J. F. Abad, & Juan M. Rosas (U of Jaén, Spain)
29. **Blocking and overshadowing between visual spatial cues in the toad *Bufo arenarum*.**  
**M. Florencia Daneri**, Emma B. Casanave, & Rubén N. Muzio (IBYME-CONICET, U of Buenos Aires & National U of the South, Argentina)
30. **Conspicuous signaling, foraging behavior and parental care in golden lion tamarins.**  
**Carlos R. Ruiz-Miranda**, Sonia Satie-Takayanagui, & Devra G. Kleiman (U of Norte Fluminense, Brazil, & Zoologic of Maryland, USA)
31. **Effects of 6-hydroxydopamine injections into the nucleus accumbens on lever-pressing behavior under the fixed ratio schedule in mice.**  
**Yuji Tsutsui** (Fukushima U, Japan)
32. **Individual- and family-specific information in greylag gosling (*Anser anser*) vocalizations.**  
**Brigitte M. Weiss**, Noriko Kondo, Kurt Kotrschal, & Isabella B. R. Scheiber (Konrad Lorenz Forschungsstelle & U of Vienna, Austria, & Keio U, Japan).
33. **Some determinants of second-order conditioning.**  
James E. Witnauer, **Mario A. Laborda**, & Ralph R. Miller (Binghamton U, USA)
34. **A new animal model of depression: Neonatal treatment with clomipramine facilitates the recuperation on frustration.**  
**Eliana Ruetti**, Nadia Justel, & Alba E. Mustaca (IDIM-CONICET, Argentina)

### ***POSTER SESSION # 3***

35. **Differences in the structure of the song of captive and wild green saltators (*Saltator similis*) are related to human song preferences for tournaments.**  
Andre Bohrer-Marques, **Laila Asth**, & Carlos R. Ruiz-Miranda (U of Norte Fluminense, Brazil)
36. **Effect of schedule and length of stimulus pre-exposure on conditioning of compounds formed by the distinct elements of pre-exposed compounds in rats.**  
**Rocío Angulo** & Gumersinda Alonso (U of the Basque Country, Spain)

- 37. Critical ages for memory retention in honeybees.**  
**Andrés Arenas**, Vanesa M. Fernández, & Walter M. Farina (IFIBYNE-CONICET & U of Buenos Aires, Argentina)
- 38. Baseline locomotor activity significantly predicts the stimulating effects of ethanol in preweanling Sprague-Dawley rats.**  
**C. Arias**, S. Miller, J. C. Molina, & N. E. Spear (Instituto de Investigación Médica Ferreyra, Argentina, & Binghamton University, USA)
- 39. Linear and nonlinear aspects of sensorimotor synchronization.**  
**M. L. Bavassi** & R. Laje (U of Buenos Aires & U of Quilmes, Argentina).
- 40. Problem solving and social learning in the bird of prey *Milvago chimango* (Falconiformes).**  
L. M. Biondi, **M. S. Bó**, & **A. I. Vassallo** (U of Mar del Plata & CONICET, Argentina)
- 41. Representation and simulation on tasks of reasoning with theory of mind, empathic comprehension, and physical causality.**  
**Ramón D. Castillo**, Sergio E. Chaigneau, Luis Martínez, Gabriel Huentemil, Felipe Cornejo, Karen Juillerat, Fernanda Beltrán, & María J. Valenzuela (U of Talca & U Adolfo Ibáñez, Chile)
- 42. Causal learning in children: Configural and elemental processing of causal learning in children.**  
**Felipe A. Cornejo**, Ramón D. Castillo, María A. Saavedra, & Edgar H. Vogel (U of Talca, Chile)
- 43. Rationality, choice, and learning in European starlings.**  
**Esteban Freidin** & Alex Kacelnik (Oxford U, United Kingdom, & CERZOS-CONICET, Argentina)
- 44. Cooperative Games: developing team work.**  
**Aracely Mehl-Gonçalves** & Heloisa C. Mehl-Gonçalves (Faculdades Integradas de Itararé & Faculdades Sant'Ana, Brazil)
- 45. Passive avoidance learning in the toad *Bufo arenarum*.**  
**Martín M. Puddington** & Rubén N. Muzio (IBYME-CONICET & U of Buenos Aires, Argentina)
- 46. Sexual behavior and frustration: Anxiolytic effect of testosterone.**  
**Nadia Justel**, Alba E. Mustaca, & Mariana Bentosela (IDIM-CONICET, Argentina)
- 47. Dopamine D4 Receptor and interval timing.**  
**Sergio I. Nemirovsky** & Marcelo Rubinstein (INGEBI-CONICET, Argentina, & Centro de Estudios Científicos, Valdivia, Chile)
- 48. The differences across sexes in the discount of the future score. An evolutionary approach to risk taking behaviors.**  
**C. O. Ornelas** & J. H. B. P. Ferreira (U of São Paulo, Brazil)
- 49. Lack of timing in ingestive behaviour of two cattle breeds.**  
Adriano Gomes-Páscoa & **Mateus J. R. Paranhos da Costa** (FCAV-UNESP, Brazil)
- 50. Knock-in mutant mice carrying human 7 repeats within Dopamine D4 Receptor gene display several signs of hyperactivity.**  
**Marcela Peper** & Marcelo Rubinstein (INGEBI-CONICET, Argentina)
- 51. Effects of the food dispersion level on choice and movement patterns.**

**Diana Pérez**, Maryed Rojas, Arturo Clavijo, & Germán Gutiérrez (National U of Colombia, Colombia)

#### **POSTER SESSION # 4**

**52. Effect of stimulus pre-exposure schedule and stimulus length in a visual stimuli identification task in humans.**

**Rocío Angulo** & Gumersinda Alonso (U of the Basque Country, Spain)

**53. Behavioral observations by Fray Juan De Santa Gertrudis on his trip to the Nuevo Reino de Granada (South America).**

**Aristóbulo Pérez**, Germán Gutiérrez, & Alejandro Segura (National U of Colombia, Colombia)

**54. Resting less to explore more! An ontogenetic study of wild black-capped capuchins (*Cebus nigritus*) behavioral ecology.**

**Lucas P. C. dos Santos**, Caio M. Moreira, & Patrícia Izar (U of São Paulo, Brazil)

**55. Behavioural Expression of Oestrus in Marsh Deer in the Presence of Humans: Case Studies.**

**Bruna Furlan-Polegato**, Mateus J. R. Paranhos da Costa, & José M. Barbanti-Duarte (FCAV-UNESP, Brazil)

**56. Short- and long-term stimulus specific habituation of the eyeblink response in humans.**

**Fernando P. Ponce** & Edgar H. Vogel (U of Talca, Chile)

**57. Configural and elemental processing in human causal learning with integral and separable stimulus dimensions.**

**Gonzalo R. Quintana**, Andrés M. Pérez-Acosta, & Edgar H. Vogel (U of Talca, Chile, & Rosario U, Colombia)

**58. Consummatory contrast: A conserved character?**

**Mauro A. Rinaldi** & Rubén N. Muzio (IBYME-CONICET & U of Buenos Aires, Argentina)

**59. Sex differences in a cooperative task in Rats.**

**Natalia Ramírez** & Catalina Serrano (National U of Colombia, Colombia)

**60. Sexual behaviour habituation in male Japanese quail (*Coturnix japonica*).**

**Juan Carlos Riveros**, Miguel Puentes, John Solórzano, Germán Gutiérrez, & Carolina Támara (National U of Colombia, Colombia)

**61. Giving contexts informative value makes information context specific.**

**Samuel P. León**, María J. F. Abad, & Juan M. Rosas (U of Jaén, Spain)

**62. Effect of simultaneous manipulation of sensory and decision processes on performance on virgin olive oil tasting.**

**María M. Moreno-Fernández**, Manuel M. Ramos-Álvarez, María C. Paredes-Olay, María J. F. Abad, Samuel P. León, José E. Callejas-Aguilera, & Juan M. Rosas (U of Jaén, Spain)

**63. Chronic neonatal stress and frustration.**

**Eliana Rueti**, Nadia Justel, Adriana González-Jatuff, Mariana Torrecilla, & Alba E. Mustaca (IDIM-CONICET, IMBECU-CONICET, & U of Cuyo, Argentina)

**64. Corticosterone enhances the effects of incentive downshift: The boundaries of this effect.**

**Eliana Ruetti**, Nadia Justel, Alba E. Mustaca, & Mauricio R. Papini (IDIM-CONICET, Argentina, & Texas Christian U, USA)

**65. Successive negative contrast in the sexual behavior system of male rat.**

**Adriana Saavedra**, Alba E. Mustaca & Germán Gutiérrez (National U of Colombia, Colombia, & IDIM-CONICET, Argentina)

**66. Body cleanliness in dairy cows: Behaviour and individual differences.**

**Aline C. Sant'Anna**, Mateus J. R. Paranhos da Costa, Marcelo Simão da Rosa, Lívia C. Magalhães-Silva, & Cláudia R. Oliveira (FCAV-UNESP & Escola Agrotécnica Federal de Muzambinho, Brazil)

**67. Use of the expectancy violation paradigm in examining understanding about appropriate support relations in the rook (*Corvus frugilegus*).**

**Christopher Bird** (Cambridge U, United Kingdom)

**68. Individual differences in the exploratory behaviour of rooks (*Corvus frugilegus*), jackdaws (*Corvus monedula*) and Eurasian jays (*Garrulus glandarius*).**

**Ira G. Federspiel**, Nicola S. Clayton & Nathan J. Emery (Cambridge U & U of London, United Kingdom)